

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

December 2010

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

January 12, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

December was mostly dry across the San Angelo hydrologic service area (HSA). The first 22 days of the month were dry and temperatures averaged above normal. Between the 15th and 21st of the month, new record high temperatures were set at Abilene and San Angelo on a few days where temperatures peaked in the 80s for highs.

On December 24, a strong upper level disturbance moved across Texas and generated thunderstorms and widespread showers. Areas along and east of an Eldorado to San Angelo to Sweetwater to Haskell line received as much as one to 1.5 inches of rain. A few isolated areas in the northeast Big Country received over two inches of rain.

The average precipitation reported from coop observers in December was 0.99 of an inch. The highest monthly precipitation total of 2.42 inches was reported in Callahan County. Only Callahan County reported rainfall of over two inches.

The San Angelo Regional Airport received 0.99 of an inch of precipitation during December, which was 0.05 of an inch above normal for the month. The monthly normal rainfall for San Angelo in December is 0.94 of an inch. Total precipitation for the year was 20.13 inches. The normal annual precipitation for San Angelo is 20.90 inches.

The Abilene Regional Airport received 1.20 inches of precipitation during December, which was 0.07 of an inch below normal for the month. The monthly normal rainfall for Abilene in December is 1.27 inches. Total precipitation for the year was 27.79 inches. The normal annual precipitation for Abilene is 23.78 inches.

Junction received 0.47 of an inch of precipitation during December. The estimated average monthly rainfall in December is about 1.30 inches. Junction received 20.63 inches of precipitation during the year. The normal annual precipitation for the Junction area is about 23.6 inches.

Coop Observer Rainfall Totals for December, 2010:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene	1.23		Ozona 22SE	0.03
Acton Ranch	0.03		Paint Rock	1.10
Albany	1.19		Putnam	1.24
Anson	1.30		Red Bluff Crossing	0.94
Ballinger 2NW	0.78		Robert Lee	0.71
Brady	1.23		Rotan	0.38
Brownwood	1.40		San Angelo WFO	1.08
Burkett	1.51		San Saba 7NW	0.88
Concho Park	1.44		Santa Anna 12SSE	1.44
Eden	1.11		Silver Valley	1.40
Eldorado	0.61		Sonora	1.00
Eldorado 10W	0.53		Stamford	0.96
Fort McKavett	0.64		Sterling City	0.86
Glen Cove 2NE	1.28		Throckmorton 7NE	1.32
Hamlin	0.64		Water Valley	0.73
Haskell	0.74		Water Valley 11NE	0.68
Hords Creek Dam	1.40		Winters 1NE	0.91
Junction 4SSW	0.65		Woodson	2.42
Mason	0.87			
Merkel 12SW	1.54		(M) <i>Missing data</i>	
Mertzon 12NNW	0.60		(T) <i>Trace</i>	

Reservoir Conditions (end of December, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	59,490	85
Lake Stamford	52,700	50,910	99
Hubbard Creek Lake	317,800	200,120	63
Hords Creek Lake	8,800	2,800	35
Lake Brownwood	131,428	80,150	61
E.V. Spence	488,760	15,450	3
O.C. Fisher	119,200	2,100	2
O.H. Ivie	554,340	180,900	33
Twin Buttes	177,800	33,100	19

Hydro Products Issued

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for December across the San Angelo HSA is depicted below.

